

In the Claims:

Please cancel claims 45-58. The claims and their status are shown below.

1-28. (Canceled)

29. (Allowed) A purified bovine TNF-RI polypeptide that binds TNF, wherein said polypeptide is encoded by a nucleic acid selected from the group consisting of:

- (a) the nucleotide sequence of SEQ ID NO.:1;
- (b) a fragment of the nucleotide sequence of (a); and
- (c) a nucleotide sequence that is at least 85% identical to (a) or (b).

30. (Allowed) A purified soluble bovine TNF-RI polypeptide that binds TNF, wherein said polypeptide is encoded by a nucleic acid selected from the group consisting of:

- (a) the nucleotide sequence of SEQ ID NO.:3,
- (b) a fragment of the nucleotide sequence of (a); and
- (c) a nucleotide sequence that is at least 85% identical to (a) or (b).

31. (Allowed) The polypeptide of claim 30, wherein said polypeptide comprises a bovine TNF-RI extracellular domain or fragments thereof.

32. (Allowed) A purified bovine TNF-RI polypeptide, wherein said polypeptide is selected from the group consisting of:

- (a) the polypeptide of SEQ ID NO:2; and
- (b) a fragment of the polypeptide of (a) that binds TNF.

33. (Allowed) A purified soluble bovine TNF-RI polypeptide, wherein said polypeptide is selected from the group consisting of:

- (a) the polypeptide of SEQ ID NO:4; and
- (b) a fragment of the polypeptide of (a) that binds TNF.

34. (Allowed) The polypeptide of claim 33, wherein said polypeptide comprises a bovine TNF-RI extracellular domain or fragments thereof.

35. (Allowed) The polypeptide of claim 29, wherein said nucleotide sequence is at least 90% identical to (a) or (b).

36. (Allowed) The polypeptide of claim 29, wherein said nucleotide sequence is at least 95% identical to (a) or (b).

37. (Allowed) The polypeptide of claim 30, wherein said nucleotide sequence is at least 90% identical to (a) or (b).

38. (Allowed) The polypeptide of claim 30, wherein said nucleotide sequence is at least 95% identical to (a) or (b).

39. (Allowed) The polypeptide of claim 29, wherein said polypeptide comprises a bovine TNF-RI extracellular domain or fragments thereof.

40. (Allowed) The polypeptide of claim 32, wherein said polypeptide comprises a bovine TNF-RI extracellular domain or fragments thereof.

41. (Allowed) The polypeptide of claim 29, wherein said TNF is bovine TNF.

42. (Allowed) The polypeptide of claim 30, wherein said TNF is bovine TNF.

43. (Allowed) The polypeptide of claim 32, wherein said TNF is bovine TNF.

44. (Allowed) The polypeptide of claim 33, wherein said TNF is bovine TNF.

45-58. (Canceled)

59. (Allowed) The polypeptide of claim 29, wherein said polypeptide is purified to greater than 95% purity.

60. (Allowed) The polypeptide of claim 30, wherein said polypeptide is purified to greater than 95% purity.

61. (Allowed) The polypeptide of claim 32, wherein said polypeptide is purified to greater than 95% purity.

62. (Allowed) The polypeptide of claim 33, wherein said polypeptide is purified to greater than 95% purity.